INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7   H04L29/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7   H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ENGELSTAD P ET AL: "Service discovery and name resolution architectures for on-demand MANETs" CONFERENCE PAPER, 19 May 2003 (2003-05-19), pages 736-742, XP010642458 the whole document —/—	1-22

X	Further documents are listed in the continuation of box C.			Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the International filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the International filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
2 November 2004	12/11/2004

Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Authorized officer Raible, M

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INTERNATIONAL SEARCH REPORT

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	AGRAWAL R ET AL: "Vinci: a service-oriented architecture for rapid development of Web applications" COMPUTER NETWORKS, ELSEVIER SCIENCE PUBLISHERS B.V., AMSTERDAM, NL, vol. 39, no. 5, 5 August 2002 (2002-08-05), pages 523-539, XP004369430 ISSN: 1389-1286 First complete paragraph on page 528 until "... should the connection fail" on page 529. page 528, left-hand column – page 529, left-hand column; figure 4	1-22
A.	CHESHIRE S: "draft-cheshire-dnsext-dns-sd-00.txt" IETF DRAFT, 20 December 2002 (2002-12-20), XP015000500 IETF, GENEVA page 11 – page 22	1-22
A	LI C ET AL: "Combine concept of agent and service to build distributed object-oriented system" FUTURE GENERATIONS COMPUTER SYSTEMS, ELSEVIER SCIENCE PUBLISHERS. AMSTERDAM, NL, vol. 19, no. 2, February 2003 (2003-02), pages 161-171, XP004401829 ISSN: 0167-739X the whole document	1-22
A	KOZAT U C ET AL: "Network layer support for service discovery in mobile ad hoc networks" IEEE INFOCOM 2003. TWENTY-SECOND ANNUAL JOINT CONFERENCE OF THE IEEE COMPUTER AND COMMUNICATIONS SOCIETIES (IEEE CAT. NO.03CH37428) IEEE PISCATAWAY, NJ, USA, vol. 3, 3 April 2003 (2003-04-03), pages 1965-1975 vol., XP002303330 ISBN: 0-7803-7752-4 "Overview" page 1966 – page 1967 Middle of the page, Passage: "Now, we have the virtual .... by multicasting or broadcasting." page 1969, right-hand column	1,12

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INTERNATIONAL SEARCH REPORT

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category°	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	A. GULBRANDSEN; TROLL TECHNOLOGIES; P. VIXIE; INTERNET SOFTWARE CONSORTIUM; L. ESIBOV; MICROSOFT CORP.: "A DNS RR for specifying the location of services (DNS SRV)" REQUEST FOR COMMENTS, February 2000 (2000-02), pages 1-12, XP015008565 IETF, GENEVA Explanation of Parameters Service, Port, Target page 2 - page 4 Passage "The Port Number" page 6	1-22
A	"Specification of the Bluetooth Sytem, Part E, Service Discovery Protocol (SDP)" BLUETOOTH SPECIFICATION, 1 December 1999 (1999-12-01), XP002245657 page 330 - page 343	1,12
A	UNKNOWN: "UPnP, Jini and Salutation - A look at some popular coordination frameworks for future networked devices"'Online! 17 June 1999 (1999-06-17), pages 1-8, XP002303331 INTERNET Retrieved from the Internet: URL:www.cswl.com/whiteppr/tech/upnp.html> 'retrieved on 2004-10-29! the whole document	1,12
A	THE SALUTATION CONSORTIUM: "Salutation Architecture Specification (Part 1) Version 2.1" SALUTATION ARCHITECTURE SPECIFICATION, 'Online! 31 December 1999 (1999-12-31), pages 1-81, XP002303332 Retrieved from the Internet: URL:www.salutation.org/spec> 'retrieved on 2004-10-29! page 4 - page 28 page 52 - page 58	1,12
A	CHRISTENSEN E ET AL: "Web Services Description Language (WSDL) 1.1" WWW CONSORTIUM SUBMISSION, 'Online! 15 March 2001 (2001-03-15), XP002203550 INTERNET Retrieved from the Internet: URL:www.w3.org/tr/wsdl> 'retrieved on 2004-10-29! the whole document	